

Radial gripper HGRT-25-A-G2

Part number: 563909

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Size | 25 |
| Max. replacement accuracy | ≤0.2 mm |
| Max. angular gripper jaw backlash ax, ay | ≤0.1 deg |
| Max. opening angle | 180 deg |
| Rotationally symmetrical | ≤0.2 mm |
| Repetition accuracy, gripper | ≤0.02 mm |
| Number of gripper jaws | 2 |
| Mounting position | optional |
| Mode of operation | Double-acting |
| Gripper function | Radial |
| Gripper force back-up | During closing |
| Design | Force pilot operated motion sequence |
| Position detection | Via proximity switch Via inductive sensors |
| Symbol | 00991895 |
| Operating pressure | 4 bar ... 8 bar |
| Max. operating frequency of gripper | ≤3 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 443 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 301 ms |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | 5 °C ... 60 °C |
| Mass moment of inertia | 2.33 kgcm ² |
| Max. force on gripper jaw Fz static | 180 N |
| Max. torque at gripper My static | 10 Nm |
| Max. torque at gripper Mz static | 1 Nm |
| Lubrication interval for guide components | 10 MioCyc |
| Product weight | 610 g |
| Type of mounting | Via female thread and centring sleeve |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material housing | Smooth-anodised wrought aluminium alloy |
| Material gripper jaws | Hardened steel |